Joseph W. Cutler
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Education

- **Wesleyan University**, Middletown, CT.   May 2021
    - **BA**, Double Major: *Computer Science* and *Mathematics*, GPA 3.92/4.00.

Research

- *Denotational Recurrence Extraction for Amortized Analysis*, **Joseph W. Cutler**, Daniel R. Licata, and Norman Danner. Proceedings of ICFP 2020.

Work Experience

- **Intern**, MPI-SWS (virtual)   Summer 2020
- **University Research Fellow**, Wesleyan University   Summer 2018, 2019
  Did research in cost semantics, working to extend prior work on automated recurrence extraction to deal with amortized analysis.
- **Student Forum Leader**, Wesleyan University   Spring 2018
  Lectured on Haskell, alongside a grad student who had designed the course.
- **Course Assistant**, Wesleyan University   Spring 2018 - Current
  Graded assignments, led tutor sessions, and aided with labs for the following classes:
    - COMP 323 - Programming Language Implementation (Spring 2020)
    - COMP 212 - Computer Science II. (S/F 2018, S 2019, S 2020)
    - MATH 261 - Abstract Algebra (Fall 2020)
    - MATH 223 - Linear Algebra. (Fall 2019)
    - COMP 112 - Introduction To Programming. (Summer 2018)
    - WesMASS COMP 211 - Mini-Course Computer Science I. (Summer 2018)
- **Teaching Assistant**, Upperline School of Code, NYC   August 2017
- **Software Development Intern**, Flatiron School, New York, NY: Summer 2016/17, Winter 2018
  Worked on Flatiron School's online learning platform, Learn.co.
- **Teaching Assistant**, Flatiron School, New York, NY   Fall 2014 - Summer 2015

Awards

- *Shortt Prize*, Awarded to a junior for excellence in mathematics. (2020)
- *Robertson Prize*, Awarded to a sophomore for excellence in mathematics. (2019)
- *Cornell, Maryland, and Max Planck Pre-Doctoral Research School (CMMRS) Travel Award* (2019)
- *Best Project*, Wesleyan University Datafest (April 2019)

Attended

- *POPL 2020*, New Orleans, Louisiana (January 2020)
  with funding from Profs. Licata and Danner
- *Cornell, Maryland, Max Planck Pre-doctoral Research School*, Saarbrücken, Germany (August 2019)
- *Oregon Programming Languages Summer School*, Eugene, OR (June 2019)
  with funding from Prof. Licata

Service

- **Computer Science Club Steering Committee**, Wesleyan University (2019-2021)
  Planned, organized, and hosted events for the computer science community at Wesleyan

Skills

- Programming: Functional programming (Standard ML, Haskell), web development (Ruby, Rails, JavaScript, Frontend MVC Frameworks), LaTeX, Lower level languages (C, C++).
- Other: Unix, Git, and Vim. Beginner knowledge of hobby electronics and Arduino. Conversant in data science methods - familiar with R and related tools.